

AMENDMENTS TO THE CLAIMS:

1 - 10 (Canceled)

11. (New) An electronic pilot ignition with safety switch, comprising:
a hollow body with a tube that stretches out from one side of said hollow body;

a safety switch located on a center opening of said hollow body one end of said safety switch is connected on an inner side of said hollow body to let another end of said safety switch to be pressed, said safety switch comprises a body and a pressing part, said pressing part is positioned onto a surface of said body to move on said body;

a brake bar positioned inside said pressing part, a surface of said brake bar is exposed through the opening of said hollow body, a bottom of said brake bar is positioned against a stopper, movement of said pressing part is restricted by said stopper blocking said brake bar, a brim of said hollow body corresponds to a connection position of said safety switch, said brim blocks a pressing brim positioned on a bottom of said pressing part by engaging a surface of said pressing brim to prevent said safety switch from being pushed down;

a starting bar located on a bottom of the another end of said safety switch;

an electronic pilot located inside said hollow body, a starter of said electronic pilot connects to said starting bar, said electronic pilot connects to an ignition area of a tube with a wire and connects to an inner side of said tube with another wire to form a pilot fire generating loop;

a gas outlet connecting to said starting bar on one side thereof, and another of said gas outlet connecting to an outlet of the gas valve of the gas tank;

a gas tube located on a gas valve of the gas tank and connected at one side

to an outlet of said gas valve, another side of said gas tube stretches out and connects to said ignition area the end of said tube; and

said brake bar can move perpendicular to the longitudinal length of said hollow body in a rectangular opening of said hollow body, said brake bar stretches out from said rectangular opening, so that a user can move said brake bar and cause said brake bar to lean on said stopper of said hollow body, the another end of said safety switch can not be pressed due to said stopper which blocks said bottom of said brake bar, when said stopper is moved, said bottom of said brake bar is positioned away from a location of said stopper to cause said safety switch to actuate.

12. (New) The electronic pilot ignition with safety switch recited in claim 11, further comprising an elastic part located on a center of said brake bar and the inner brim of said body, the elasticity of said elastic part can push said brake bar back to its original location after being moved.

13. (New) An electronic pilot ignition with safety switch, comprising:
a hollow body with a tube that stretches out from one side of said hollow body;

a safety switch located on a center opening of said hollow body one end of said safety switch is connected on an inner side of said hollow body to let another end of said safety switch to be pressed, said safety switch comprises a body and a pressing part, said pressing part is positioned onto a surface of said body to move on said body;

a brake bar positioned inside said pressing part, a surface of said brake bar is exposed through the opening of said hollow body, a bottom of said brake bar is positioned against a stopper, movement of said pressing part is restricted by said

stopper blocking said brake bar, a brim of said hollow body corresponds to a connection position of said safety switch, said brim blocks a pressing brim positioned on a bottom of said pressing part by engaging a surface of said pressing brim to prevent said safety switch from being pushed down;

a starting bar located on a bottom of the another end of said safety switch;

an electronic pilot located inside said hollow body, a starter of said electronic pilot connects to said starting bar, said electronic pilot connects to an ignition area of a tube with a wire and connects to an inner side of said tube with another wire to form a pilot fire generating loop;

a gas outlet connecting to said starting bar on one side thereof, and another of said gas outlet connecting to an outlet of the gas valve of the gas tank;

a gas tube located on a gas valve of the gas tank and connected at one side to an outlet of said gas valve, another side of said gas tube stretches out and connects to said ignition area the end of said tube; and

an elastic part located on said safety switch and the inner brim of said hollow body, the elasticity of said elastic part can push said safety switch back to its original location after being moved.

14. (New) An electronic pilot ignition with safety switch, comprising:

a hollow body with a tube that stretches out from one side of said hollow body;

a safety switch located on a center opening of said hollow body one end of said safety switch is connected on an inner side of said hollow body to let another end of said safety switch to be pressed, said safety switch comprises a body and a pressing part, said pressing part is positioned onto a surface of said body to move on said body;

a brake bar positioned inside said pressing part, a surface of said brake bar is

exposed through the opening of said hollow body, a bottom of said brake bar is positioned against a stopper, movement of said pressing part is restricted by said stopper blocking said brake bar, a brim of said hollow body corresponds to a connection position of said safety switch, said brim blocks a pressing brim positioned on a bottom of said pressing part by engaging a surface of said pressing brim to prevent said safety switch from being pushed down;

a starting bar located on a bottom of the another end of said safety switch;

an electronic pilot located inside said hollow body, a starter of said electronic pilot connects to said starting bar, said electronic pilot connects to an ignition area of a tube with a wire and connects to an inner side of said tube with another wire to form a pilot fire generating loop;

a gas outlet connecting to said starting bar on one side thereof, and another of said gas outlet connecting to an outlet of the gas valve of the gas tank;

a gas tube located on a gas valve of the gas tank and connected at one side to an outlet of said gas valve, another side of said gas tube stretches out and connects to said ignition area the end of said tube; and

said gas outlet comprises a V-shape driving mechanism and an L-shape gearing mechanism, a center of said V-shape driving mechanism connects to the inner brim of said hollow body, one end of said V-shape driving mechanism touches said starting bar of said safety switch, another end of said V-shape driving mechanism connects to one end of said L-shape gearing mechanism, a right angle side of said L-shape gearing mechanism connects to the inner brim of said hollow body, when one end of said L-shape gearing mechanism touches said V-shape driving mechanism, another of said L-shape gearing mechanism connects to said gas valve of said gas tank, when a user presses said safety switch, said starting bar actuates said V-shape driving mechanism, and said V-shape driving mechanism pulls said L-shape gearing mechanism and opens said gas valve of said gas tank.

15. (New) An electronic pilot ignition with safety switch, comprising:
a hollow body with a tube that stretches out from one side of said hollow body;

a safety switch located on a center opening of said hollow body one end of said safety switch is connected on an inner side of said hollow body to let another end of said safety switch to be pressed, said safety switch comprises a body and a pressing part, said pressing part is positioned onto a surface of said body to move on said body;

a brake bar positioned inside said pressing part, a surface of said brake bar is exposed through the opening of said hollow body, a bottom of said brake bar is positioned against a stopper, movement of said pressing part is restricted by said stopper blocking said brake bar, a brim of said hollow body corresponds to a connection position of said safety switch, said brim blocks a pressing brim positioned on a bottom of said pressing part by engaging a surface of said pressing brim to prevent said safety switch from being pushed down;

a starting bar located on a bottom of the another end of said safety switch;

an electronic pilot located inside said hollow body, a starter of said electronic pilot connects to said starting bar, said electronic pilot connects to an ignition area of a tube with a wire and connects to an inner side of said tube with another wire to form a pilot fire generating loop;

a gas outlet connecting to said starting bar on one side thereof, and another of said gas outlet connecting to an outlet of the gas valve of the gas tank;

a gas tube located on a gas valve of the gas tank and connected at one side to an outlet of said gas valve, another side of said gas tube stretches out and connects to said ignition area the end of said tube; and

a regulator installed on a connection between said gas valve and said gas tank, an adjustable rod is positioned on said regulator, said adjustable rod is

exposed from said hollow body that is farther from the another side of said gas tank, and said adjustable rod adjusts the flow of gas from said gas tank.

16. (New) An electronic pilot ignition with safety switch, comprising:
a hollow body with a tube that stretches out from one side of said hollow body;

a safety switch located on a center opening of said hollow body one end of said safety switch is connected on an inner side of said hollow body to let another end of said safety switch to be pressed, said safety switch comprises a body and a pressing part, said pressing part is positioned onto a surface of said body to move on said body;

a brake bar positioned inside said pressing part, a surface of said brake bar is exposed through the opening of said hollow body, a bottom of said brake bar is positioned against a stopper, movement of said pressing part is restricted by said stopper blocking said brake bar, a brim of said hollow body corresponds to a connection position of said safety switch, said brim blocks a pressing brim positioned on a bottom of said pressing part by engaging a surface of said pressing brim to prevent said safety switch from being pushed down;

a starting bar located on a bottom of the another end of said safety switch;

an electronic pilot located inside said hollow body, a starter of said electronic pilot connects to said starting bar, said electronic pilot connects to an ignition area of a tube with a wire and connects to an inner side of said tube with another wire to form a pilot fire generating loop;

a gas outlet connecting to said starting bar on one side thereof, and another of said gas outlet connecting to an outlet of the gas valve of the gas tank;

a gas tube located on a gas valve of the gas tank and connected at one side to an outlet of said gas valve, another side of said gas tube stretches out and

connects to said ignition area the end of said tube; and

said brake bar can move parallel to the longitudinal length of said hollow body in a rectangular opening of said hollow body, said brake bar is exposed on said rectangular opening so that a user can move said brake bar, said brake bar stretches up and against said stopper, and said safety switch can not be pressed because said brake bar is blocked by said stopper, when said brake bar is moved; a side opening is positioned on a side of said brake bar, when said brake bar is moved, said brake bar is moved away from said stopper, at the same time, said stopper can pass through said side opening to let said safety switch to be pressed.